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2429 / 00001 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

pplication No.:

10/822,924

Applicant:

Hinman et al.

Filed:

April 13, 2004

Attorney Docket No.:

82489 / 00001

For:

COMPOSITION AND METHOD FOR MAKING

SILICON-CONTAINING PRODUCTS

Group Art Unit:

Unknown

Customer No.:

20873

Commissioner for Patents P.O. Box 1450

Alexandria, VA 22313-1450

Certificate of Mailing

I hereby certify that the papers enclosed herein are being deposited with the United States Postal Service via first class mail with sufficient postage, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450:

Mark R. Backofen

July 13, 2004 Date of Deposit

Sir:

## TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. §1.56, Applicant submits this statement. This submittal is made in accordance with 37 C.F.R. §§1.97 and 1.98 and §609 of the Manual of Patent Examining Procedure. The patents, publications and other information herein are listed on the attached Form PTO-1449. Copies of the listed references are submitted herewith.

In addition to the references listed on the attached Form PTO-1449, the inventor has indicated that, based upon its title, J. Liu, "Synthesis and Surface Chemistry Modifications of Silica from White Rice Husk Ash and Sulfuric Acid", Chemistry-Peking, 1998, No. 8, pg 42-43, may be relevant to the present invention. However, we have been unable to secure a copy of this

reference or its abstract.

Applicant hereby expressly reserves the right to swear behind the effective dates of any of the above patents and other publications and to question the relevance and materiality of the Patents and Publications listed herein, in whole, in part, or in combination, subsequent to filing this Information Disclosure Statement.

It is believed no fee is due for submission of this paper. If this is incorrect, the Commissioner is hereby authorized to charge any fee due to Locke Liddell & Sapp LLP Deposit Account No. 12-1781.

Mark R. Backofen

Reg. No. 51,423

Date: July 13, 2004

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FORM 98-3

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FORM PTO-1449 (Rev. 2-32) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 82429 / 00001

SERIAL NO. 10/822,924

Sheet 1 of 3

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT Hinman et al.

(Use several sheets if necessary)

FILING DATE 04/13/04

GROUP Unknown

**U.S. PATENT DOCUMENTS** FILING DATE **EXAMINER** CLASS **SUBCLASS** IF APPROPRIATE INITIAL **DOCUMENT NUMBER** DATE NAME 423 344 3,855,395 12-17-1974 Cutler 07-29-1980 Amick et al. 148 1.5 4,214,920 423 350 01-27-1981 Dosaj et al. 4,247,528 11-20-1984 Sugiura et al. 423 344 4,483,839 4,504,453 03-12-1985 Tanaka et al. 423 345 05-27-1986 Tanaka et al. 423 345 4,591,492 127 037 07-21-1998 Farone et al. 5,782,982 423 350 6,090,361 07-18-2000 Baba et al. 423 6,406,678 B1 06-18-2002 Shipley 335 01-16-2003 Victor et al. 423 335 2003/0012720 A1

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS								
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO		
	JP60016811	01-28-1985	Japan	C01B	31/36	X		
	JP62017012	01-26-1987	Japan	C01B	33/107	x		
	JP8104513	04-23-1996	Japan	C01B	33/18	X		
	2002-265257	09-18-2002	Japan	C04B	35/00	x		
	2144498 C1	01-20-2000	Russia	C01B	33/12	X		

**EXAMINER** 

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

			Sheet 2 of 3			
FORM PTO-1449 (Rev. 2-32) PA	U.S. DEPARTMENT OF COMM TENT AND TRADEMARK OFFIC		SERIAL NO. 10/822,924			
	MATION DISCLOSURE EMENT BY APPLICANT	APPLICANT Hinman et al.				
(Use sev	veral sheets if necessary)	FILING DATE 04/13/04	GROUP Unknown			
•	OTHER DOCUMENT	S (Including Author, Title, Date, Per	inent Pages, Etc.)			
	CHAKRAVERTY, A. et al., Investigation of Combustion of Raw and Acid-Leached Rice Husk for Production of Pure Amorphous White Silica, Journal of Materials Science, 1988, no. 23, pp. 21-24, Chapman and Hall					
	CHAKRAVERTY, A. et al., Production of Amorphous Silica from Rice Husk in a Vertical Furnace, Agricultural Mechanization in Asia, Africa and Latin America, Autumn 1990, vol. 21, no. 4, pp. 69-75, Farm Machinery Industrial Research Corp.					
	CHEN, JEN-MIN et al., Rice Husk as a Source of High Purity Carbon/Silica to Produce Silicon Tetrachloride, Proceedings of the National Science Council, Republic of China, September 1991, vol. 15, no. 5, pp. 412-420, National Science Counsel					
	CONRADT, R. et al., Nano-structured Silica from Rice Husk, Journal of Non-Crystalline Solids, 1992, no. 145, pp. 75-79, Proceedings of the Third International Symposium on Aerogels					
	FARAG, L. M. et al., Bilancio di Material ed Energia per la Produzione di Carburo di Silicio da Lolla di Riso, Ceramurgia, 1985, vol. 15, no. 5, pp. 206-213					
	HUNT, L. P. et al., Rice Hulls as a Raw Material for Producing Silicon, Journal of the Electrochemical Society: Solid-State Science and Technology, July 1984, vol. 131, no. 7, pp. 1683-1686					
	KALEEMULLAH, S., Thermogravimetric analysis of paddy straw, The Madras Agricultural Journal, OctDec. 2001, no. 88, pp. 582-585, Tamil Nadu Agricultural University					
	KRISHNARAO, R.V. et al., Formation of SiC from Rice Husk Silica-Carbon Black Mixture: Effect of Rapid Heating, Ceramics International, 1996, no. 22, pp. 489-492, Elsevier Science Limited					
	LIOU, TZONG-HORNG et al., Pyrolysis Kinetics of Acid-Leached Rice Husk, Ind. Eng. Chem. Res., 1997, no. 36, pp. 568-573, American Chemical Society					
	LYUDVINSKAYA, T. et al., Formation of Silicon Nitride at Treatment of Rice Husk, Latvian Journal of Chemistry, 1992, no. 6, pp. 724-728 (English abstract on last page)					
MIZUKI, E. et al., Formation of Silicon Carbide from Rice Husks Using Enzymatic Methods for Carbo Control, Bioresource Technology, 1993, no. 44, pp. 47-51, Elsevier Applied Science						
	PATEL, M. et al., Effect of Thermal and Chemical Treatments on Carbon and Silica Contents in Richard Husk, Journal of Materials Science, 1987, no. 22, pp. 2457-2464, Chapman and Hall					
	RAHMAN, I.A., Preparation of Si <sub>3</sub> N <sub>4</sub> by Carbothermal Reduction of Digested Rice Husk, Ceramics 4 International, 1994, no. 20, pp. 195-199, Elsevier Science Limited					
EXAMINER	DAT	E CONSIDERED				

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			Sheet 3 of 3				
FORM PTO-1449 (Rev. 2-32)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 82429 / 00001	SERIAL NO. 10/822,924				
	FORMATION DISCLOSURE	APPLICANT Hinman et al.					
. (Use	several sheets if necessary)	FILING DATE 04/13/04	GROUP Unknown				
•	OTHER DOCUMENTS (Include	ding Author, Title, Date, Pertin	nent Pages, Etc.)				
		of Si <sub>3</sub> N <sub>4</sub> by Carbothermal Reduction of Digested Rice Husk, Ceramics pp. 195-199, Elsevier Science Limited					
	REAL, Concha et al., Preparation of Silica from Rice Husks, Journal of the American Ceramic Society, August 1996, vol. 79, no. 8, pp. 2012-2016, American Ceramic Society						
	SUN LUYI et al., Silicon-Based Materials from Rice Husks and Their Applications, Ind. Eng. Chem. Res., 2001, no. 40, pp. 5861-5877, American Chemical Society						
	TEMERDASHEV, Z. A. et al., Physiochemical Principles of Thermal Utilization of Rice Husk and its Hydrolyzed, Izvestiya Vysshikh Uchebnykh Zavedenii Severo-Kavkazskii Region Estestvennye Nauki, 1998, no. 4, pp. 68-71 (with English abstract)						
	YALCIN, N. et al., Studies on Silica Obtained from Rice Husk, Ceramics International, 2001, no. 27, pp. 219-224, Elsevier Science Limited						
EXAMINER DATE CONSI		DERED					
	al if citation considered, whether or not one considered. Include copy of		MPEP 609; Draw line through citation if ation to applicant.				

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